

functional derivative thereof being sufficient to solubilise the cyclosporin in the water, wherein the  $\alpha$ -cyclodextrin derivative is selected from the group consisting of  $\alpha$ -cyclodextrin esters,  $\alpha$ -cyclodextrin ethers, aminoalkylated derivatives of  $\alpha$ -cyclodextrin, salts of  $\alpha$ -cyclodextrin with a sulfur-containing acid, carboxyalkylated derivatives of  $\alpha$ -cyclodextrin, addition compounds of  $\alpha$ -cyclodextrin with a monosaccharide, addition compounds of  $\alpha$ -cyclodextrin with a disaccharide, polymers comprising  $\alpha$ -cyclodextrin in their main chain and polymers comprising  $\alpha$ -cyclodextrin pendant on their main chain.

17. The composition of claim 16, wherein the weight ratio of said cyclosporin to said  $\alpha$ -cyclodextrin or derivative thereof is from 1:0.5 to 1:1000.

18. The composition of claim 16, wherein the weight ratio of said cyclosporin to said  $\alpha$ -cyclodextrin or derivative thereof is from 1:1 to 1:200.

19. A method of suppressing the mammalian immune system by administering to a mammal a pharmaceutically effective amount of at least one cyclosporin in association with sufficient  $\alpha$ -cyclodextrin or a functional derivative thereof to solubilise said cyclosporin, wherein the  $\alpha$ -cyclodextrin derivative is selected from the group consisting of  $\alpha$ -cyclodextrin esters,  $\alpha$ -cyclodextrin ethers, aminoalkylated derivatives of  $\alpha$ -cyclodextrin, salts of  $\alpha$ -cyclodextrin with a sulfur-containing acid, carboxyalkylated derivatives of  $\alpha$ -cyclodextrin, addition compounds of  $\alpha$ -cyclodextrin with a monosaccharide, addition compounds of  $\alpha$ -cyclodextrin with a disaccharide, polymers comprising  $\alpha$ -cyclodextrin in their main chain and polymers comprising  $\alpha$ -cyclodextrin pendant on their main chain.

20. The method of claim 19, wherein said cyclosporin and said  $\alpha$ -cyclodextrin or derivative thereof are administered in admixture.

21. The method of claim 19, wherein said cyclosporin and said  $\alpha$ -cyclodextrin or derivative thereof are administered separately, but essentially simultaneously.

22. The method of claim 19, wherein the  $\alpha$ -cyclodextrin derivative is selected from the group consisting of acetylated  $\alpha$ -cyclodextrin, methylated  $\alpha$ -cyclodextrin, aminoethyl- $\alpha$ -cyclodextrin,  $\alpha$ -cyclodextrin sulfate and maltosylated  $\alpha$ -cyclodextrin.

23. The method of claim 19, wherein the weight ratio of said cyclosporin to said  $\alpha$ -cyclodextrin or derivative thereof is from 1:0.5 to 1:1000.

24. The method of claim 19, wherein the weight ratio of said cyclosporin to said  $\alpha$ -cyclodextrin or derivative thereof is from 1:1 to 1:200.

25. The method of claim 19, wherein the administering is orally, by injection, or as eyedrops.

26. A method of suppressing the mammalian immune system by administering to a mammal a pharmaceutically effective amount of at least one cyclosporin in

association with  $\alpha$ -cyclodextrin, the weight ratio of said cyclosporin to said  $\alpha$ -cyclodextrin being from 1:0.5 to 1:1000.

27. The method of claim 26, wherein the weight ratio of said cyclosporin to said  $\alpha$ -cyclodextrin is from 1:1 to 1:200.

28. A pharmaceutical composition comprising (a) a pharmaceutically acceptable carrier, (b) a pharmaceutically effective amount of cyclosporin A or a mixture of cyclosporin A with at least one other cyclosporin in admixture with (c) an amount of a functional derivative of  $\alpha$ -cyclodextrin sufficient to solubilise said cyclosporin in water, wherein the  $\alpha$ -cyclodextrin derivative is selected from the group consisting of  $\alpha$ -cyclodextrin esters,  $\alpha$ -cyclodextrin ethers, aminoalkylated derivatives of  $\alpha$ -cyclodextrin, salts of  $\alpha$ -cyclodextrin with a sulfur-containing acid, carboxyalkylated derivatives of  $\alpha$ -cyclodextrin, addition compounds of  $\alpha$ -cyclodextrin with a monosaccharide, addition compounds of  $\alpha$ -cyclodextrin with a disaccharide, polymers comprising  $\alpha$ -cyclodextrin in their main chain and polymers comprising  $\alpha$ -cyclodextrin pendant on their main chain.

29. A pharmaceutical composition comprising (a) a pharmaceutically acceptable carrier, (b) a pharmaceutically effective amount of cyclosporin A or a mixture of cyclosporin A with at least one other cyclosporin in admixture with (c) an amount of  $\alpha$ -cyclodextrin sufficient to solubilise said cyclosporin in water.

30. A method of suppressing the mammalian immune system by administering to a mammal a pharmaceutically effective amount of (a) cyclosporin A or a mixture of cyclosporin A with at least one other cyclosporin in association with (b) a sufficient amount of a functional derivative of  $\alpha$ -cyclodextrin to solubilise said cyclosporin, wherein the  $\alpha$ -cyclodextrin derivative is selected from the group consisting of  $\alpha$ -cyclodextrin esters,  $\alpha$ -cyclodextrin ethers, aminoalkylated derivatives of  $\alpha$ -cyclodextrin, salts of  $\alpha$ -cyclodextrin with a sulfur-containing acid, carboxyalkylated derivatives of  $\alpha$ -cyclodextrin, addition compounds of  $\alpha$ -cyclodextrin with a monosaccharide, addition compounds of  $\alpha$ -cyclodextrin with a disaccharide, polymers comprising  $\alpha$ -cyclodextrin in their main chain and polymers comprising  $\alpha$ -cyclodextrin pendant on their main chain.

31. The method of claim 30, wherein the administering is orally, by injection, or as eyedrops.

32. A method of suppressing the mammalian immune system by administering to a mammal a pharmaceutically effective amount of (a) cyclosporin A or a mixture of cyclosporin A with at least one other cyclosporin in association with (b) sufficient  $\alpha$ -cyclodextrin to solubilise said cyclosporin.

33. The method of claim 32, wherein the administering is orally, by injection, or as eyedrops.

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